



a place of mind  
THE UNIVERSITY OF BRITISH COLUMBIA



# UBC MRI Research Groups

## 12th Annual Retreat

Rudy North Theatre, DM CBH

# PROGRAM

Monday, May 7, 2018

# PHILIPS



Djavad Mowafaghian  
CENTRE FOR BRAIN HEALTH



GE Healthcare



**UBC MRI Research Centre**  
**Research Groups Retreat**  
**Rudy North Theatre**  
**May 7th, 2018**

**8:30 – 8:55**

**BREAKFAST**

9:00 - 9:05

Welcome and opening remarks

*Alex MacKay*

9:05 - 9:45

Quantitative fMRI

*Bruce Pike, U Calgary*

9:45 - 10:05

Tools for Diffusion MRI

*Andrew Yung*

**10:05 – 10:30**

**COFFEE BREAK**

10:30 - 10:50

DBSI – Quantifying tissue microstructure with advanced diffusion MRI

*Anika Wurl*

10:50 - 11:10

Effect of Chemical fixation on MWF values

*Piotr Kozlowski*

11:10 - 11:30

Progress and pitfalls: the year in upright MR at UBC

*David Wilson*

11:30 - 11:50

MP2RAGE with optimized multi-channel data handling

*Jing Zhang, Qing-San Xiang*

**12:00 – 1:00**

**LUNCH**

1:00 - 1:15

Functional MR Spectroscopy in the Human Brain at 3T

*Erin MacMillan*

1:15 - 1:40

Magnetic Tissue Properties

*Alex Rauscher*

1:40 - 1:50

We need a 7T MR at UBC

*Erin MacMillan, Alex Rauscher*

1:50 - 2:10

Effects of Galvanic Vestibular Stimulation on brain activity and connectivity patterns

*Laura Kim, Soojin Lee*

2:10 - 2:30

Power Pitch's for Poster Session

*Multiple*

**2:30 – 3:00**

**POSTER SESSION (Coffee provided)**

3:00 - 3:20

Machine Learning Applied to Brain MRIs for Clinical Prediction

*Roger Tam*

3:20 - 3:40

PET/MR - a New Technology for UBC

*Vesna Sossi*

3:40 - 3:50

7T report and brief discussion

*Piotr Kozlowski*

3:50 - 4:00

3T report and discussion

*Alex MacKay*

**4:00 – 5:00**

**COCKTAIL RECEPTION**